

**Figure 1: Effects of electric impulses of high field intensity on the transfection of plasmid DNA p<sub>GL</sub> 2774 in the cranial tibial muscle in the mouse.**  
Mean values  $\pm$  SEM.

A. Logarithmic scale

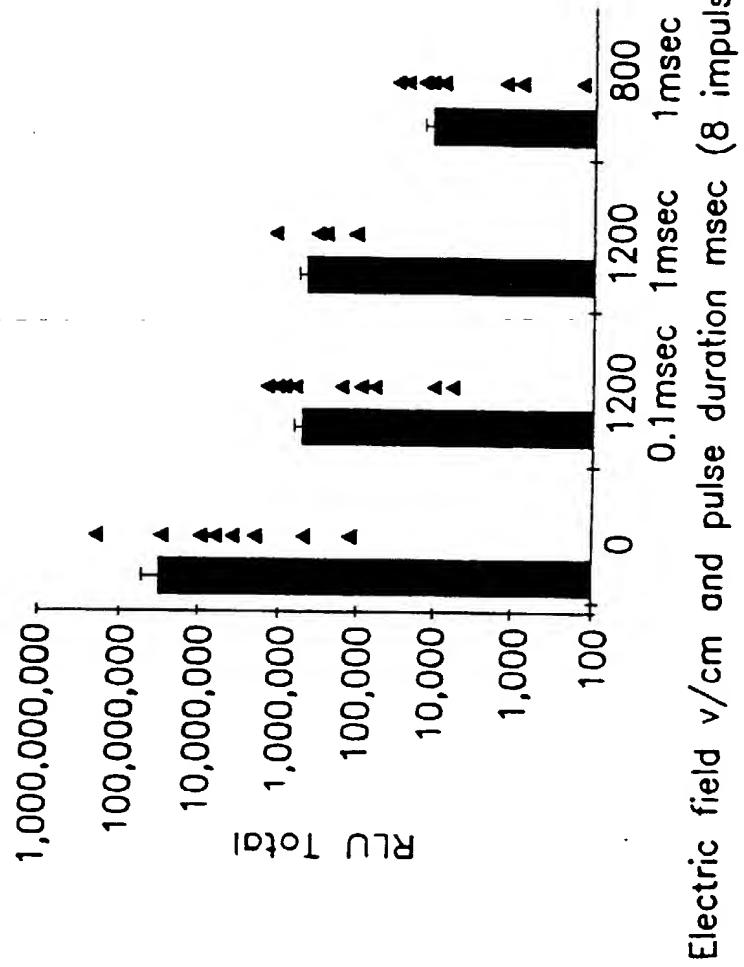


Figure 1a

**Figure 1: Effects of electric impulses of high field intensity on the transfection of plasmid DNA p<sub>xl</sub> 2774 in the cranial tibial muscle in the mouse.**  
Mean values  $\pm$  SEM.

**B. Linear scale**

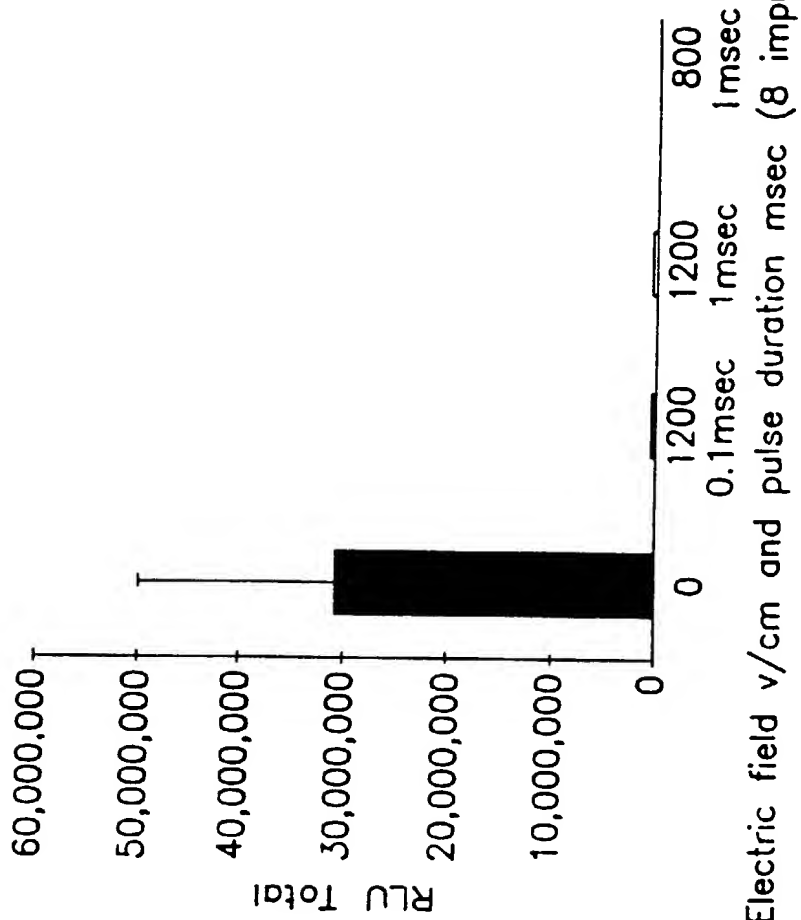


Figure 1b

**Figure 2: Effects of electric impulses of intermediate field intensity on the transfection of plasmid DNA p $\lambda$ l 2774 in the cranial tibial muscle in the mouse.**  
Mean values  $\pm$  SEM.

A. Logarithmic scale

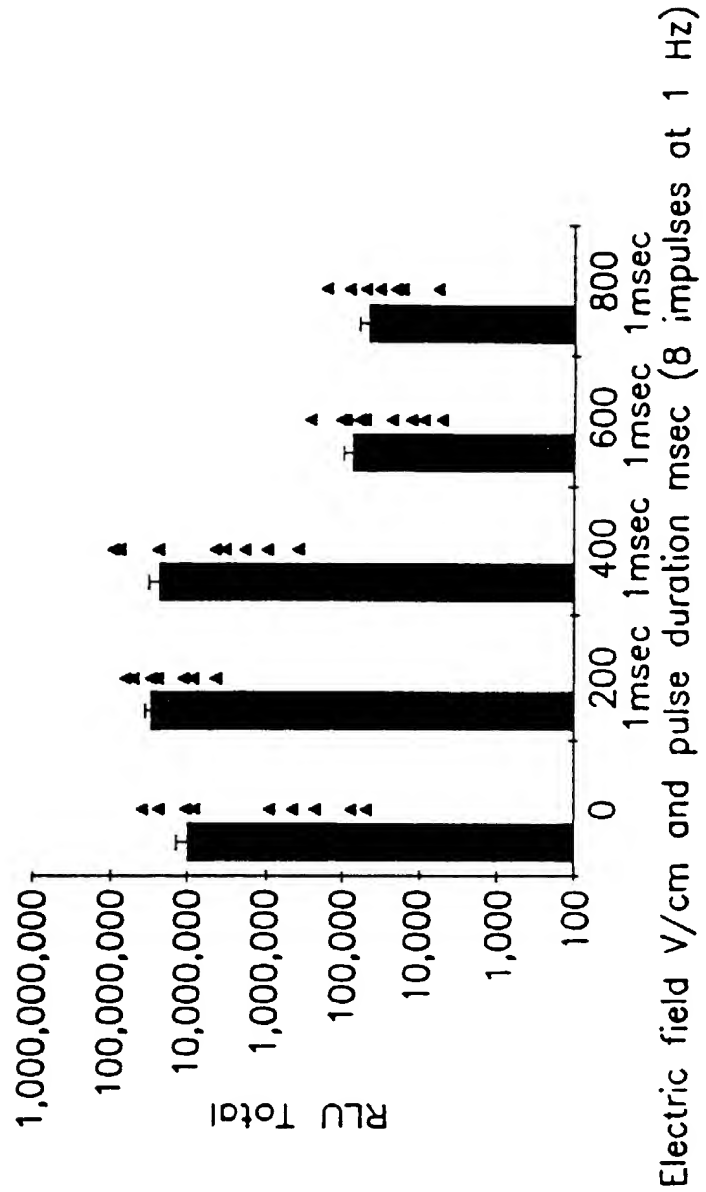
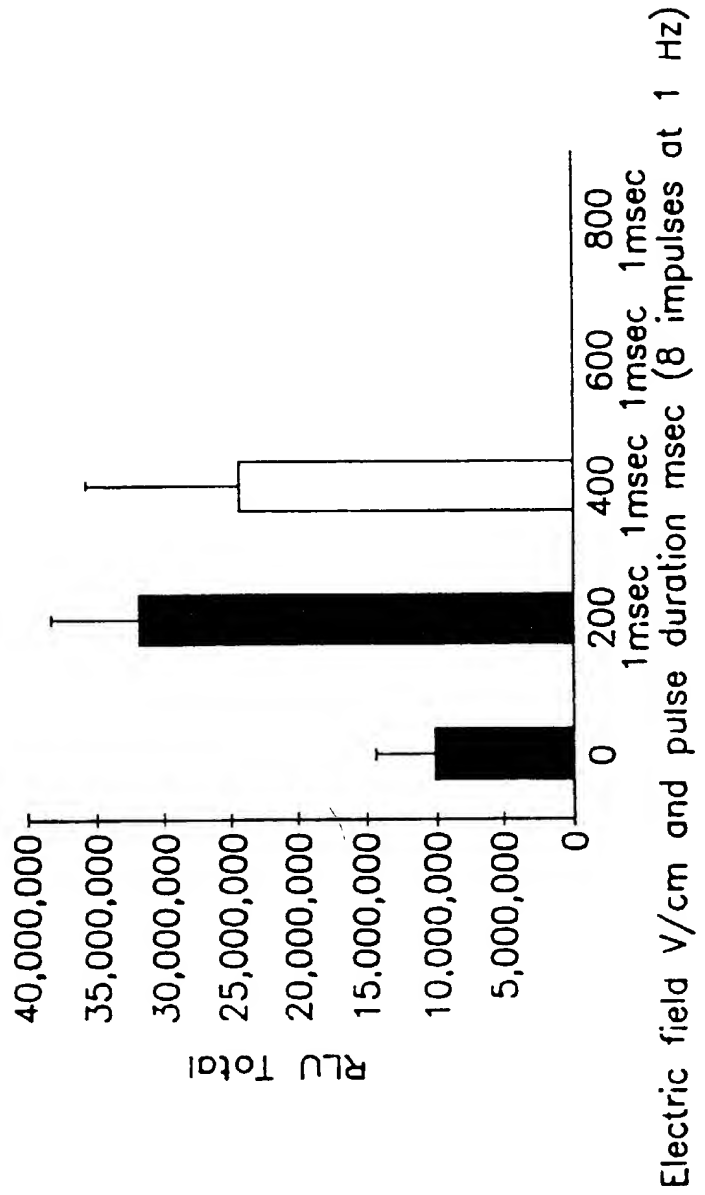


Figure 2a

**Figure 2: Effects of electric impulses of intermediate field intensity of plasmid DNA p<sub>HL</sub> 2774 in the cranial tibial muscle in the mouse. Mean values  $\pm$  SEM.**

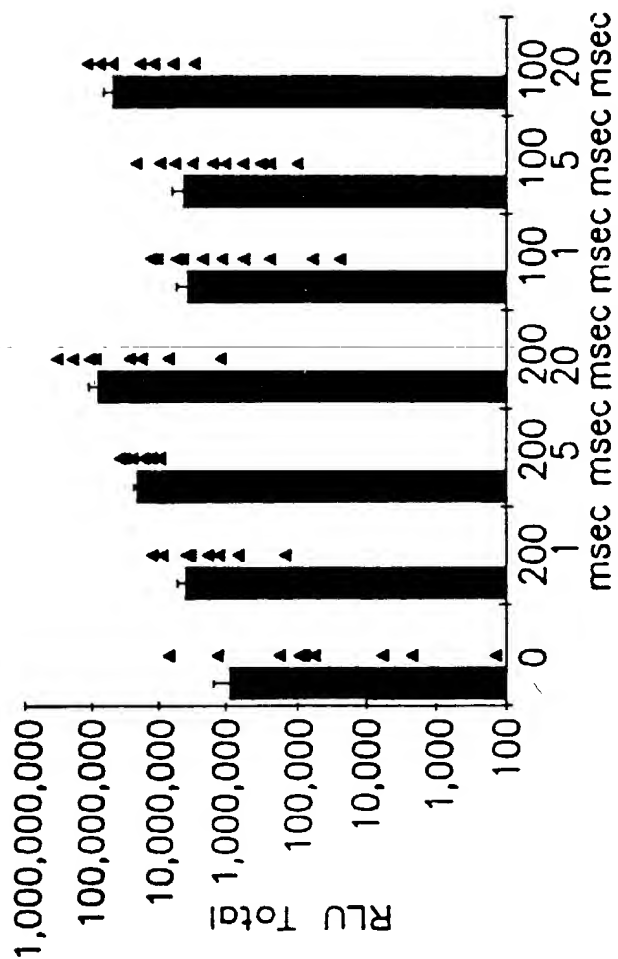
**B. Linear scale**



**Figure 2b**

**Figure 3: Effects of electric impulses of weak field intensity and of different durations on the transfection of plasmid DNA p<sub>GL2774</sub> in the cranial tibial muscle in the mouse. Mean values  $\pm$  SEM.**

**A. Logarithmic scale**



Electric field V/cm and pulse duration msec (8 impulses at 1 Hz)

**Figure 3a**

Figure 3: Effects of electric impulses of weak field intensity and of different durations on the transfection of plasmid DNA p1 2774 in the cranial tibial muscle in the mouse. Mean values  $\pm$  SEM.

B. Linear scale

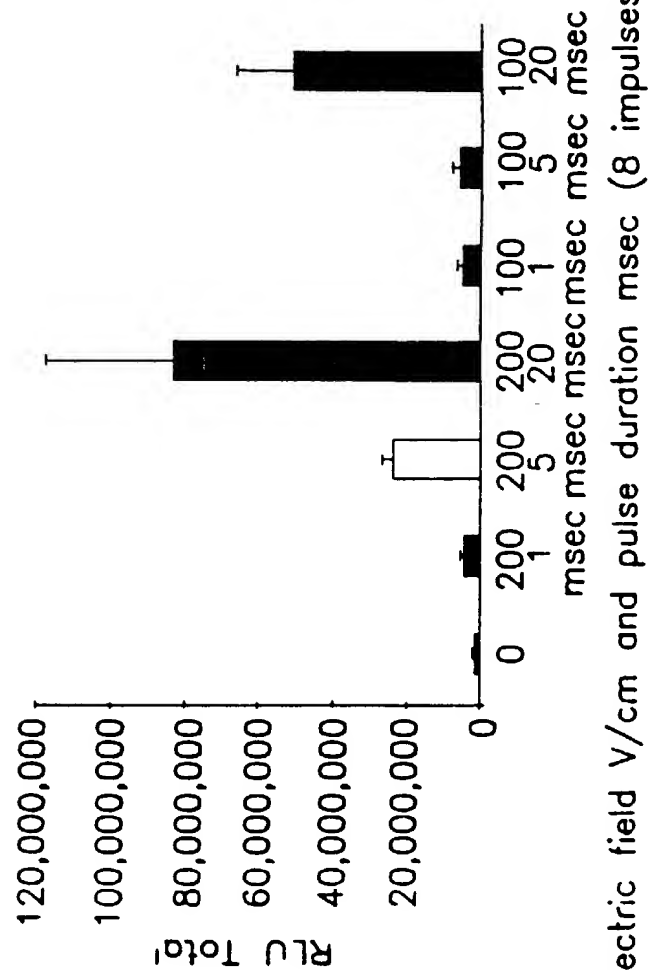
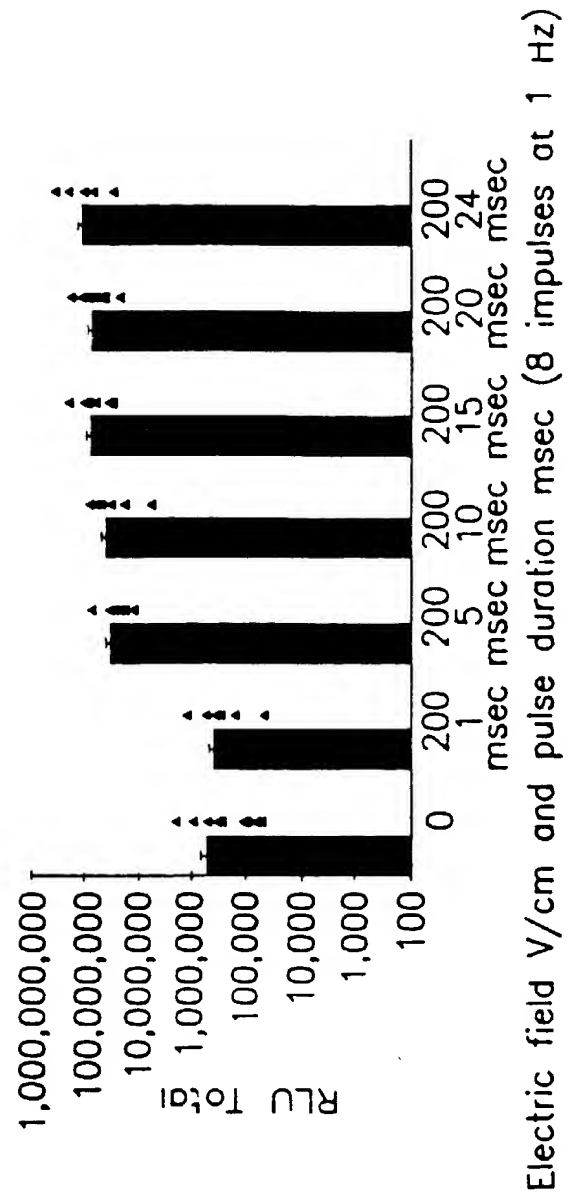


Figure 3b

**Figure 4: Effects of electric impulses of weak field intensity and of different durations on the transfection of plasmid DNA pXl 2774 in the cranial tibial muscle in the mouse. Mean values  $\pm$  SEM.**

**A. Logarithmic scale**



**Figure 4a**

**Figure 4: Effects of electric impulses of weak field intensity and of different durations on the transfection of plasmid DNA p<sub>GL2774</sub> in the cranial tibial muscle in the mouse. Mean values  $\pm$  SEM.**

**B. Linear scale**

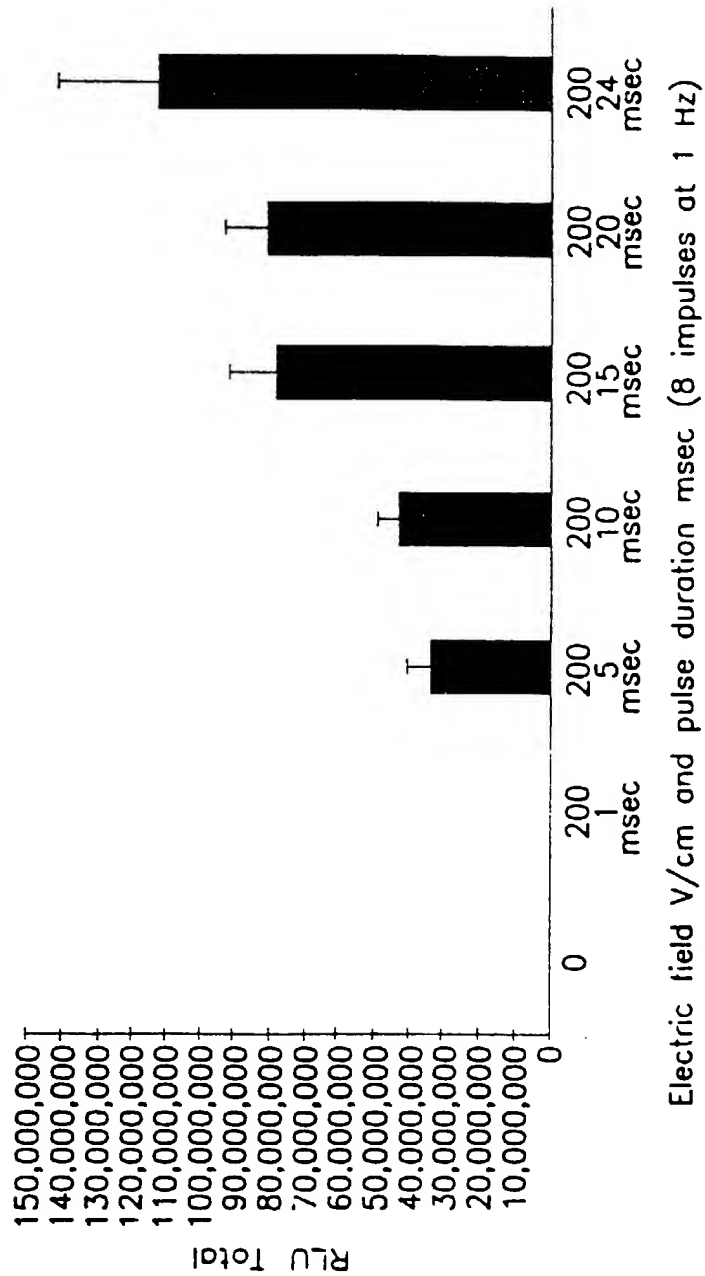


Figure 4h



**Figure 5: Effectiveness of electrotransfection of plasmid DNA pxl 2774 in the cranial tibial muscle of the mouse at low electric field intensities. Mean values  $\pm$  SEM.**

Luciferase expression in relation to the mean value of the control group (DNA alone) which was standardized at 1.

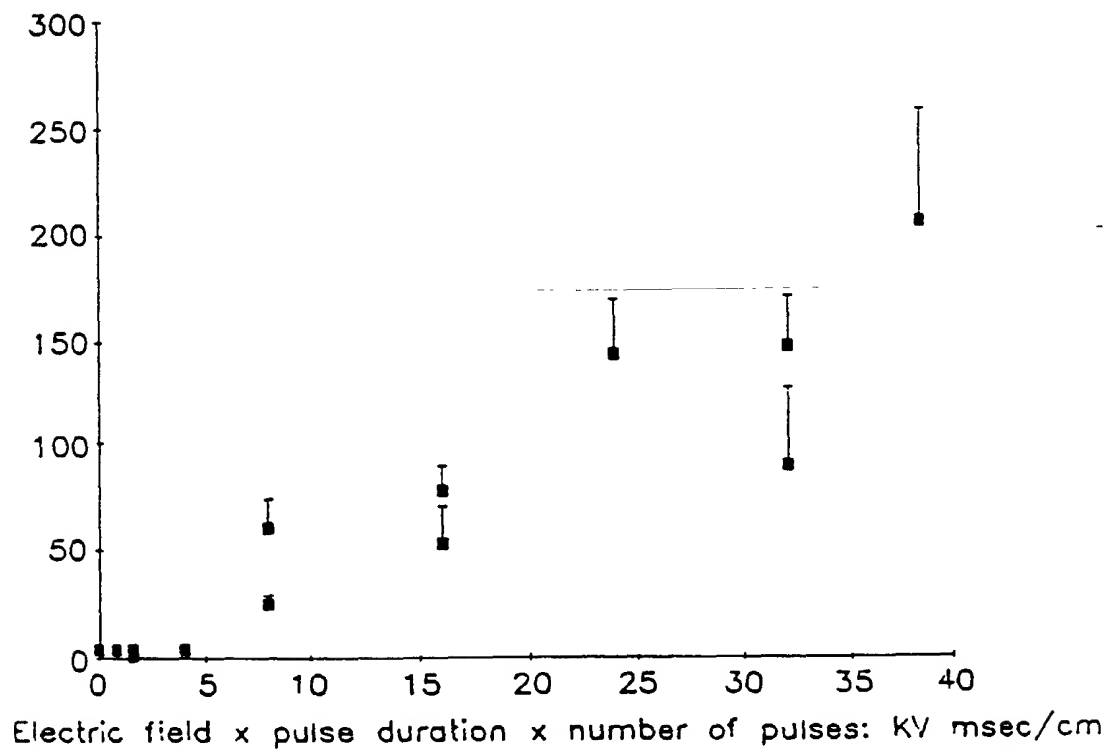


Figure 5

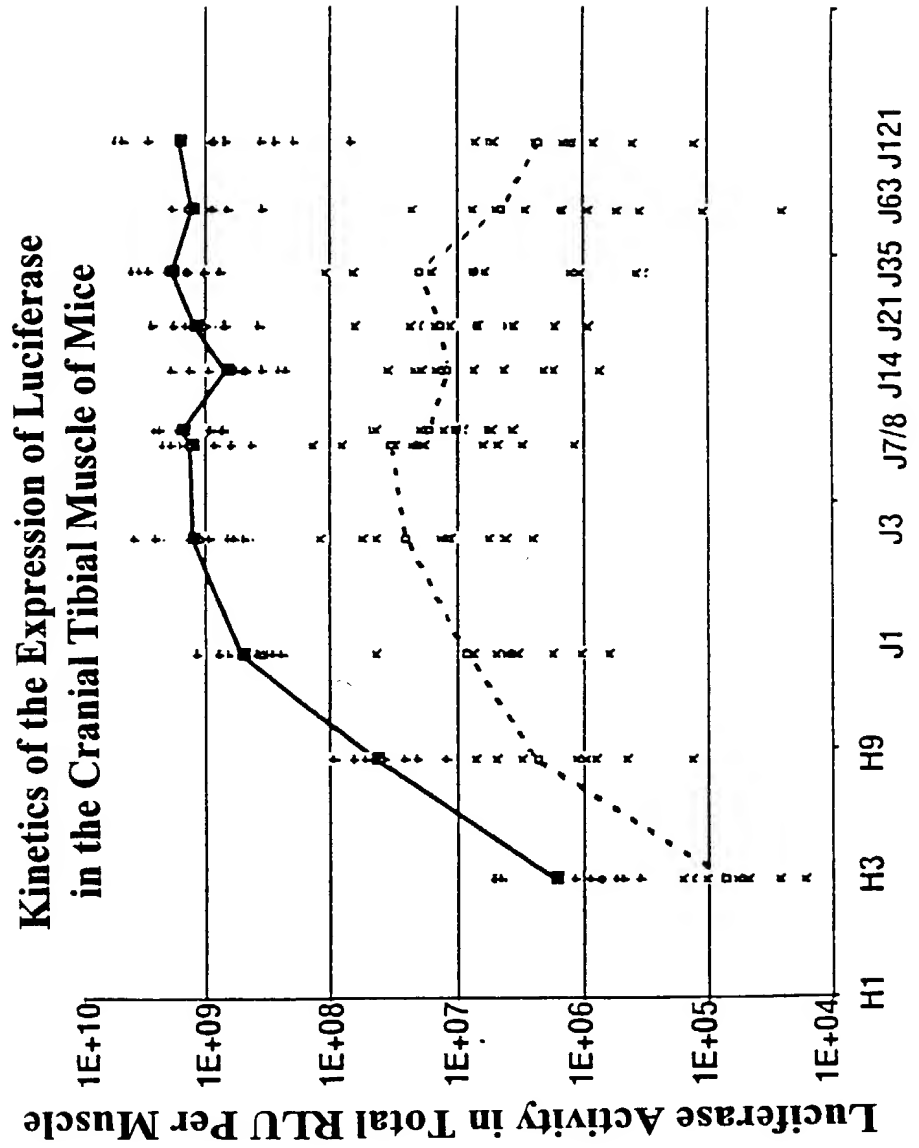


Figure 6

T020T 203860

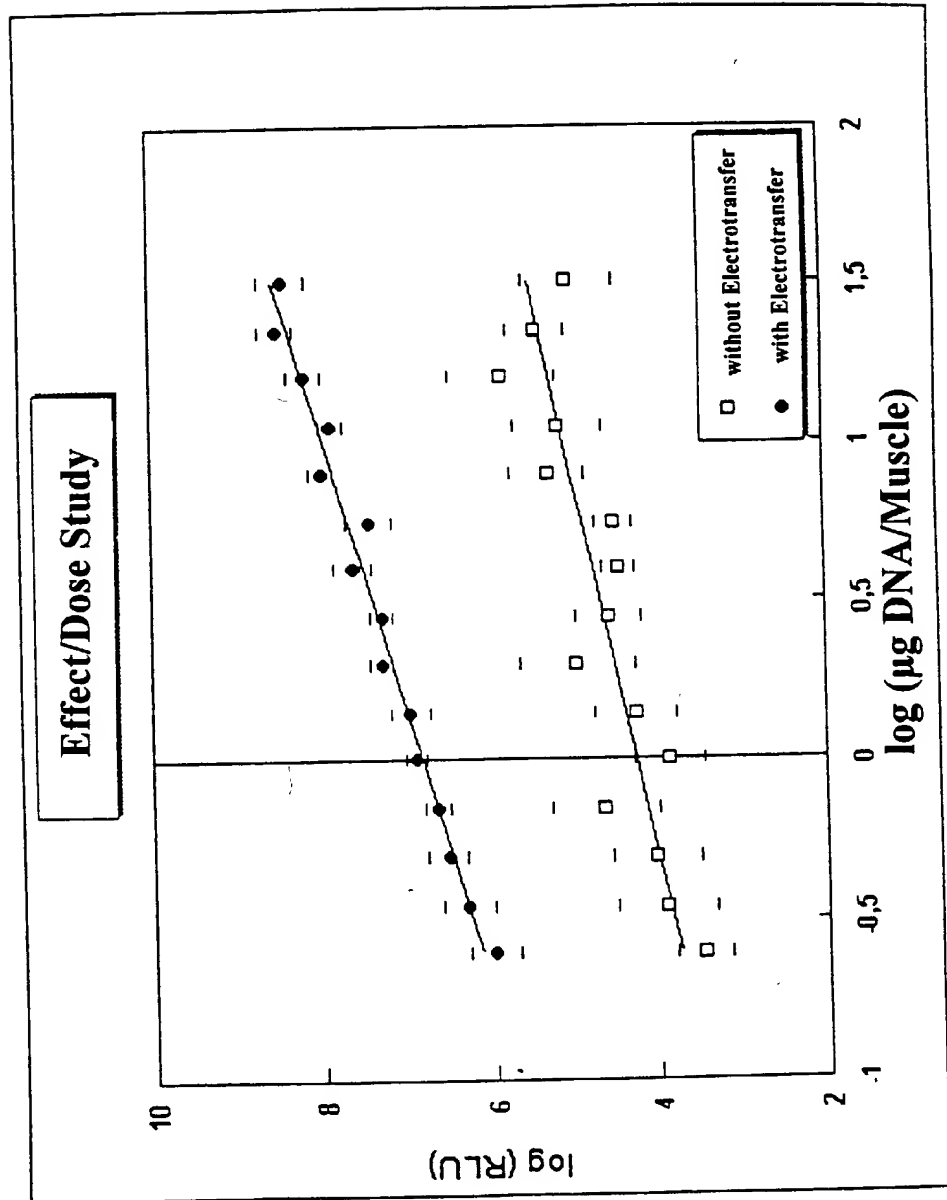


Figure 7

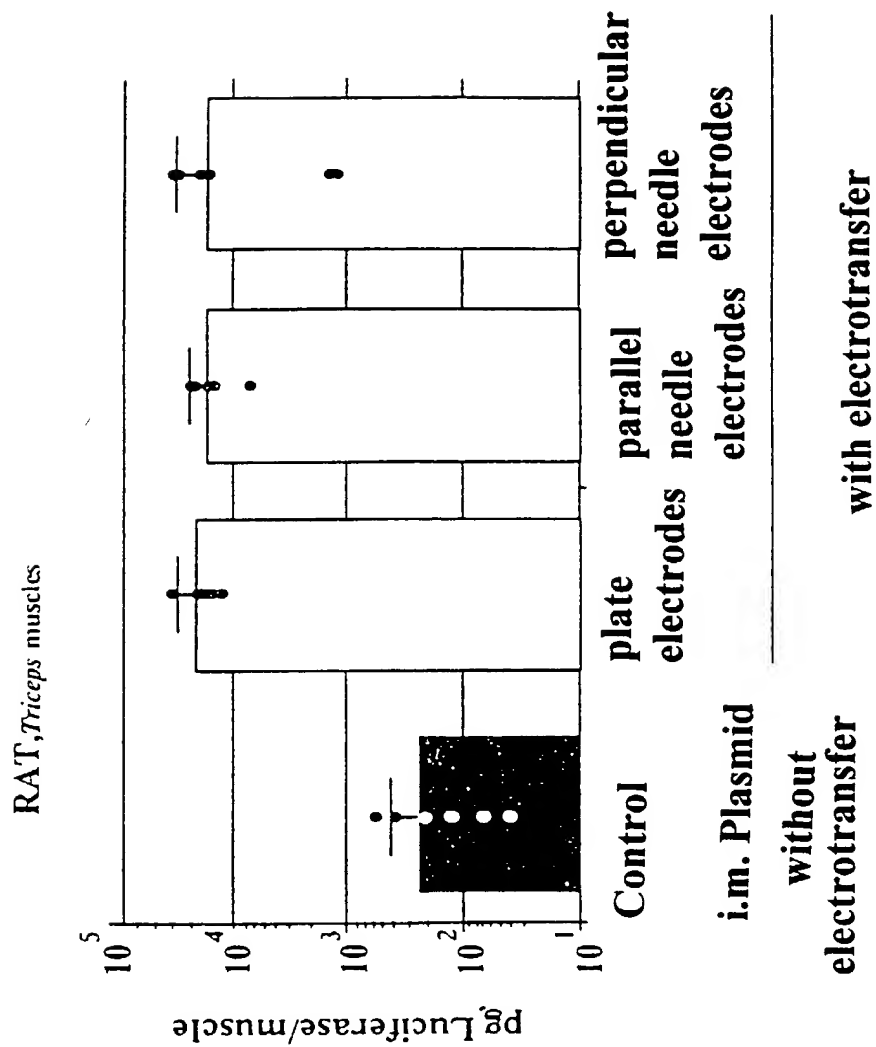


Figure 8

### Kinetics of the Serum Concentration in Alkaline Phosphatase (SeAP)

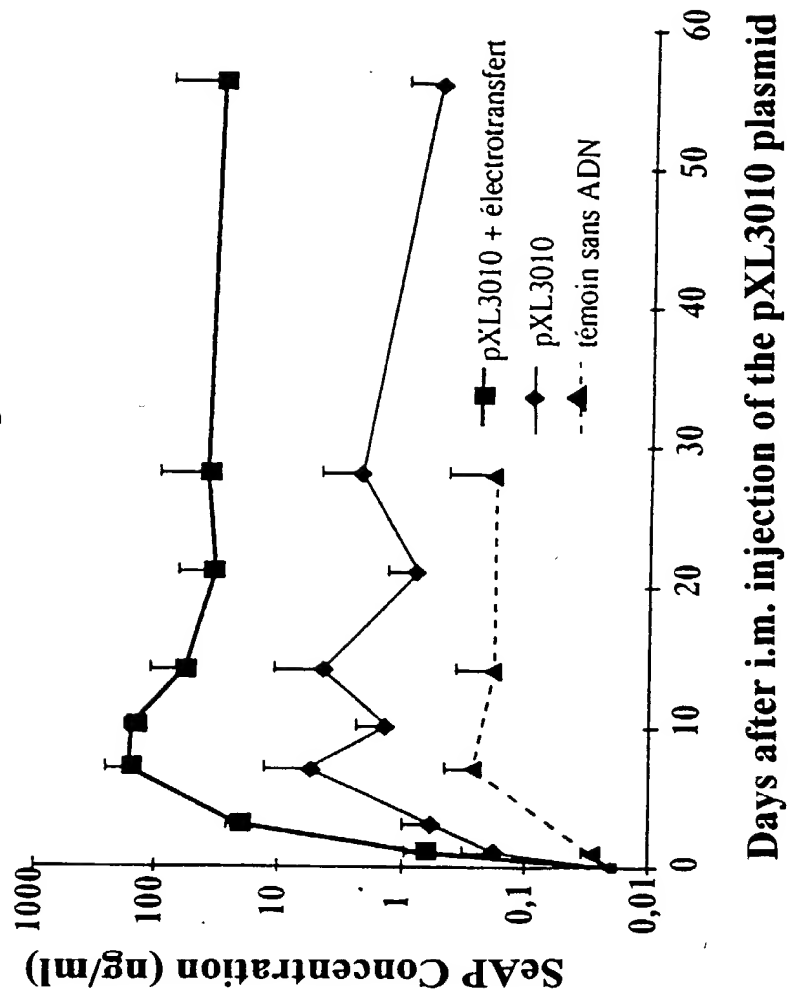


Figure 9

Kinetics of the Expression of aFGF in the muscle.

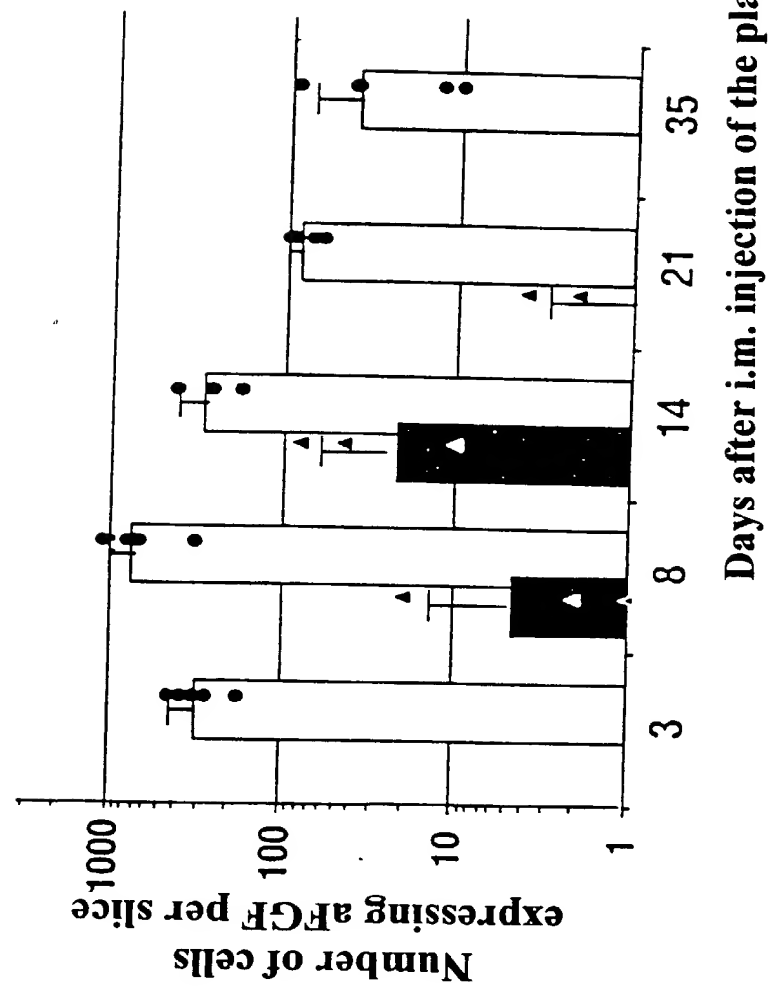


Figure 10

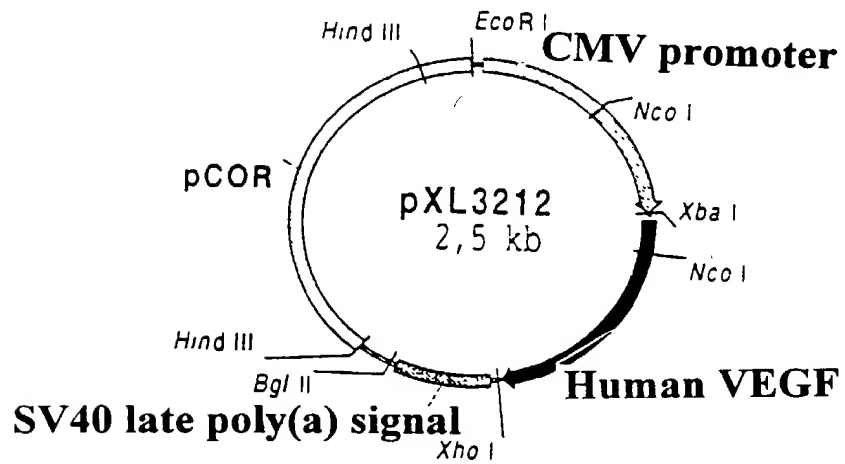
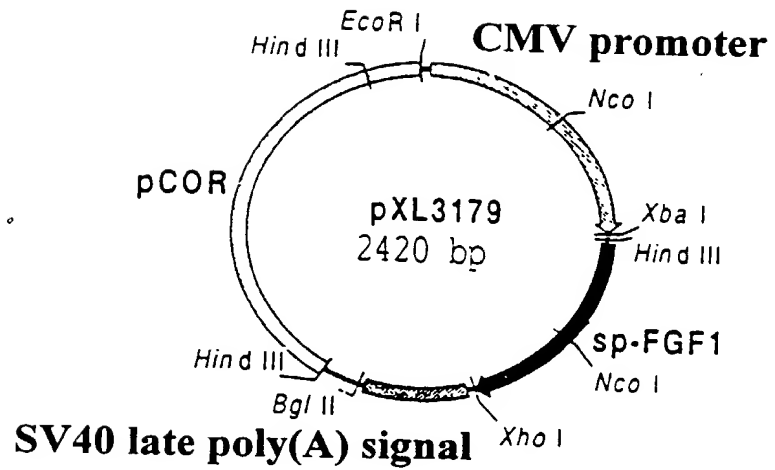


Figure 11

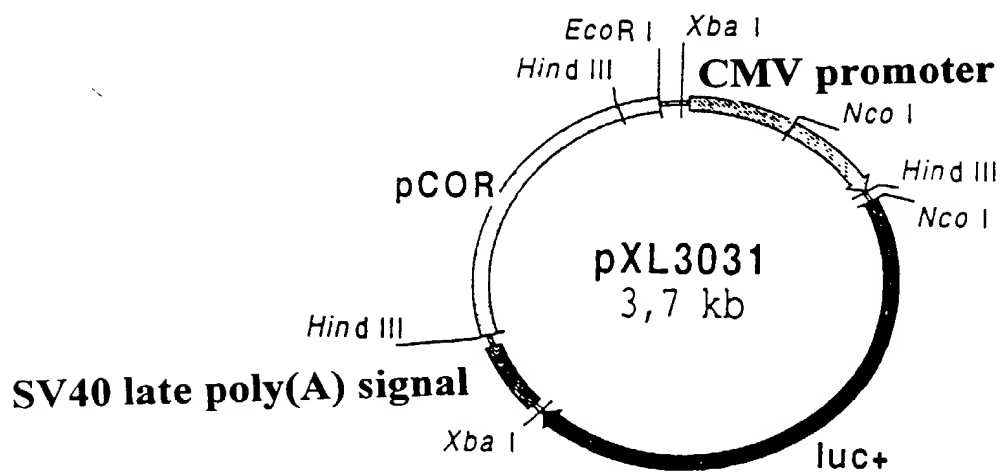
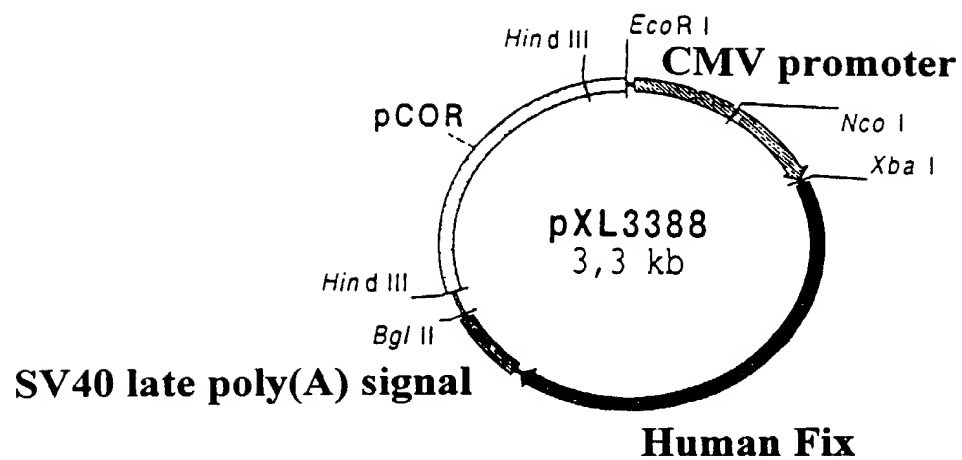


Figure 12



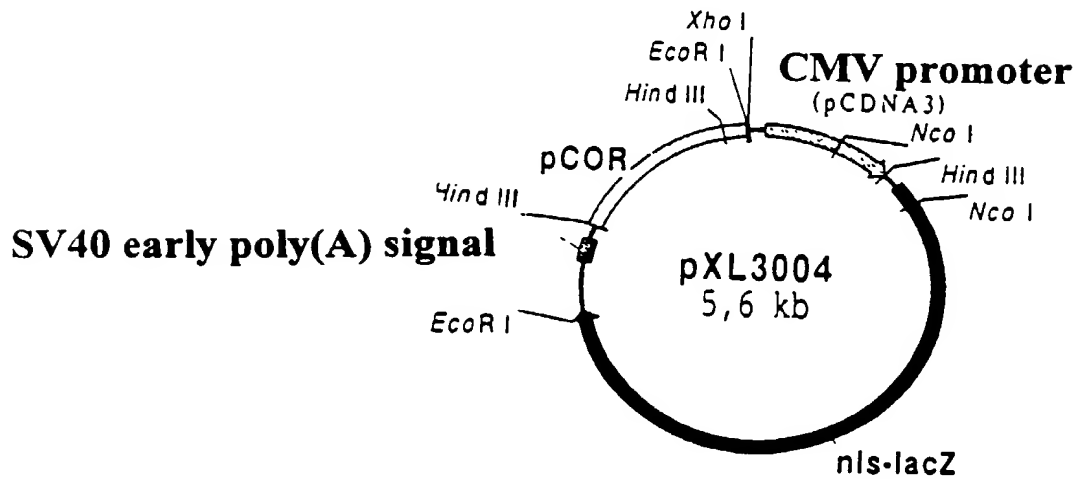
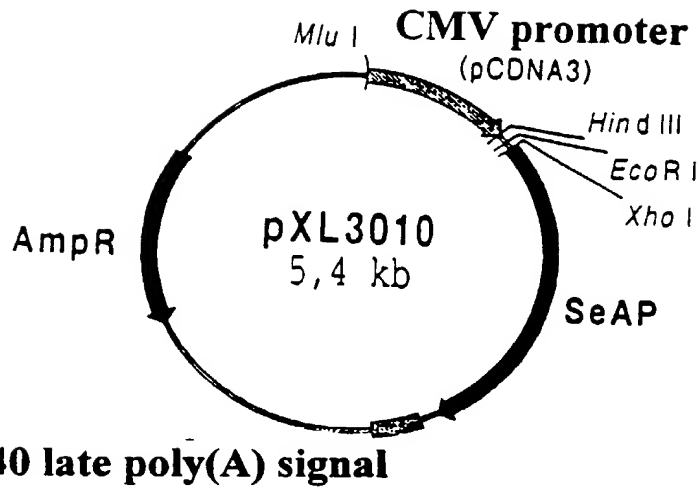


FIGURE 13

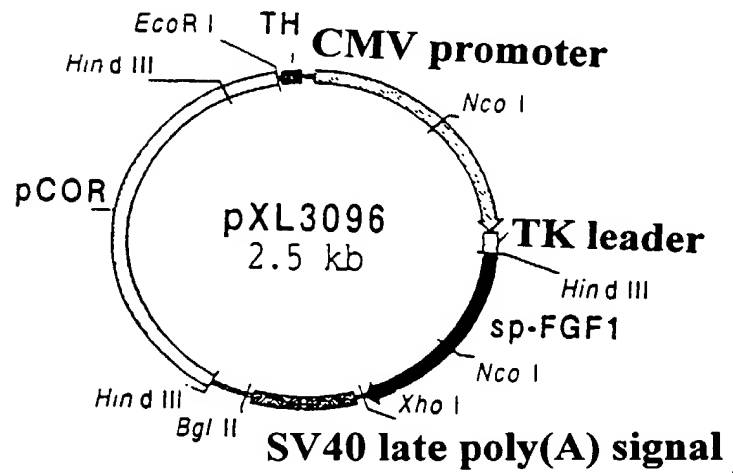
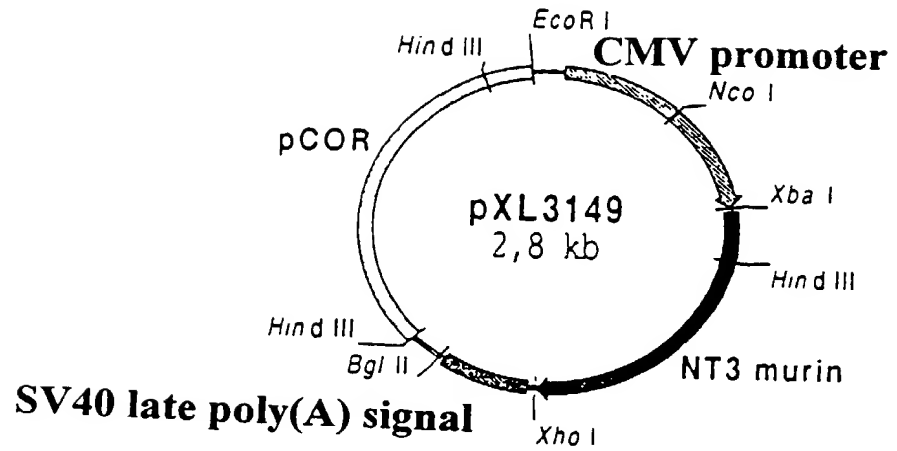


FIGURE 14

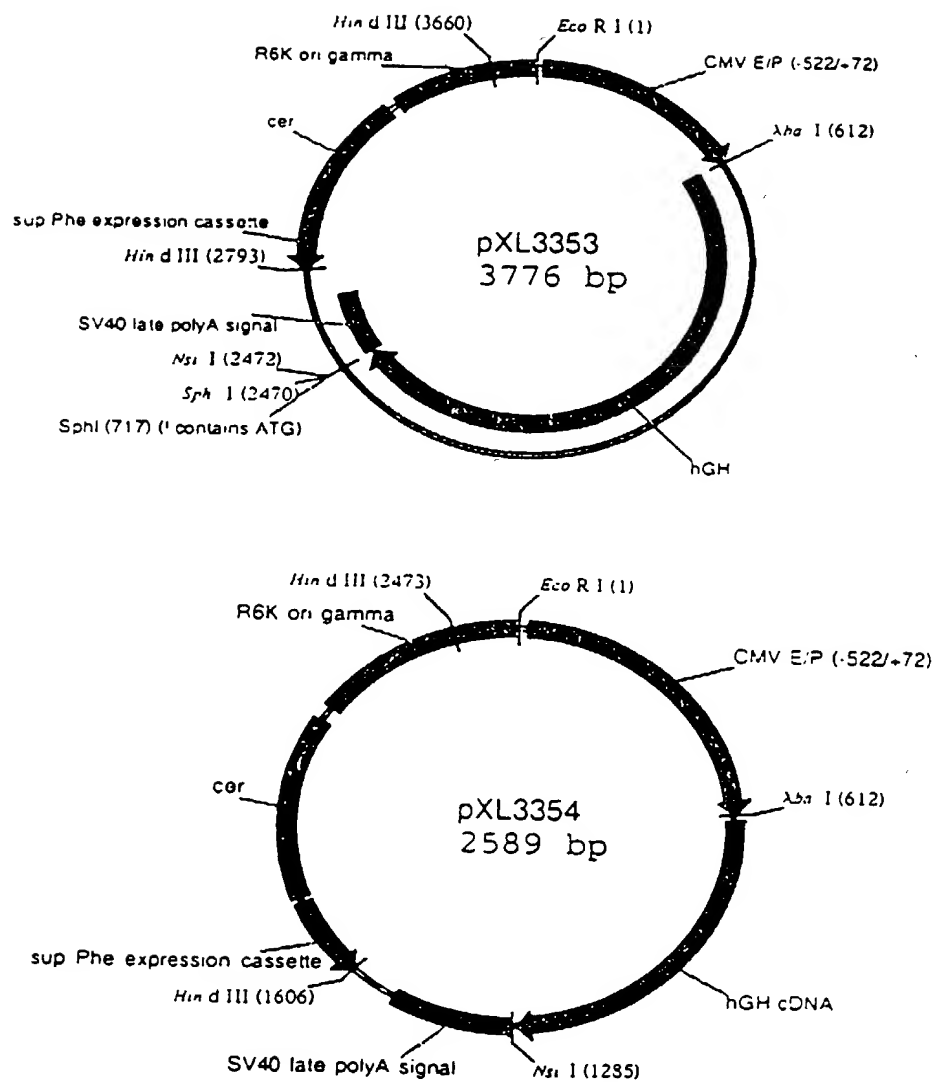


Figure 15

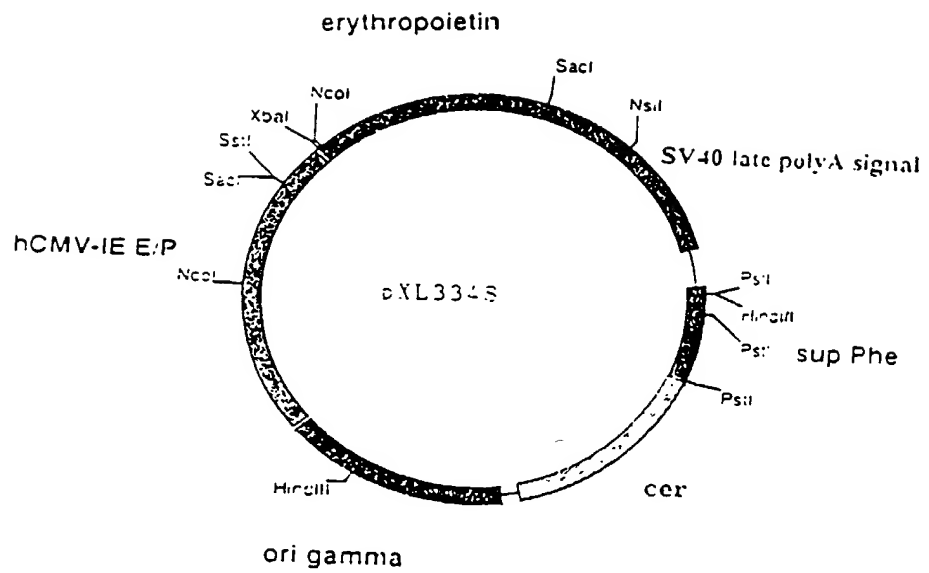


Figure 16